

NEW PROCESS COMPLEX ONE SEPARATION

New Process Which Allows Payment For All Values in Ore Discovered.

Tucson, Ariz., April 15.—Charles E. Willis, director of the Arizona state bureau of mines, in a statement issued by the Bureau, says:

"One of the greatest of Arizona's problems has been the economical separation of complex ores. Many mines have been found in which copper is the chief constituent, but had impurities, such as zinc, tungsten, molybdenum, vanadium, chromium and antimony, in such cases the sellers have not been paid for the values in these metals, but were actually penalized."

New Process Discovered.

It will be of much interest to the owners of properties containing complex ores to learn that a new process has been discovered and a plant now being erected in Los Angeles which will allow payment for practically all of the values in an ore, and which will simplify and increase the amount of metals that have heretofore been accounted for. Heretofore, molybdenum had to be separated to a large percentage, and if copper was present, the molybdenum was not an readily sold, but according to the reports of the promoters of this new process, low grade molybdenum ore may be handled and the copper also paid for. The same applies also to vanadium, particularly to vanadium, which is seldom saleable on account of its impurities of other metals.

The new process does not penalize for sulphur, arsenic, silicate, barites or bismuth. It is claimed that the complex, low-grade ores, such as molybdenum, silver ore from Idaho and Mono counties, Calif., and the complex tin sulfides from Bolivia, which have heretofore been only valuable for the copper contained, have been successfully treated. Ores from Bolivia containing tin, tungsten, zinc, lead, and antimony are received, for all of which metals payment is made.

Money to Work to Arizona.

"The intense practical importance of this work to the owners of mines of complex ores within the state can hardly be overestimated and the success of the process, of which the inventors feel assured, will mean much to the production of Arizona minerals."

WORK TO RESUME ON AZTEC MINE PROPERTY

Senator, Ariz., April 15.—Great interest is being manifested here in the movement to resume work on the holdings of the Aztec Mines company, which was, at one time, considered one of the richest properties in the district and from which some high grade ore was shipped. A 700-foot tunnel was driven on the property before operations were suspended and General Manager Bevels is preparing to run a contract to tap two known ore bodies at depths of 200 feet from the surface. The development plans were made more than three years ago and from resumption of the work is welcomed by the miners of the entire district.

MANGANESE STRIKE IS MADE NEAR MAYER, ARIZ.

Prescott, Ariz., April 15.—One of the most important strikes made recently in the Bradshaw district is the finding of a vein of high grade silver-manganese ore on the old Beck lodge near Mayer.

The discovery marks the first find of manganese ever made in the district and is attracting much attention.

The discovery was made in striking on a vein of silver ore which was being worked by leasers on the Midway property. The vein is said to be almost pure manganese six inches in width, and has continued for more than 25 feet of the tunnel extension.

NEVADA MINE OPERATOR BUYS YAVAPAI CLAIMS

Prescott, Ariz., April 15.—L. P. Porter, an experienced Nevada prospector, has purchased a group of claims in the White Pine district of Yavapai county and is shipping in machinery from his old workings in Nevada. Prospecting work has been going on at the properties for more than a month and the outlook is said to be a much brighter one.

OLD FOLKS NEED "CASCARETS" FOR LIVER, BOWELS

Salts, calomel, pills act on bowels like pepper acts in nostrils.

Enjoy life! Don't stay bilious, sick, headachy and constipated.

Get a 10-cent box now.

Most old people must give to the bowels some regular help, else they suffer from constipation. The condition is perfectly natural. It is just as natural as it is for old people to walk slowly. For age is never so active as youth. The bowels are less elastic, and the bowels are sluggish.

All old people need Cascarets. One might as well refuse to aid weak eyes with glasses as to neglect this gentle aid to weak bowels. The bowels must be kept active. This is important at all ages, but never so much as at fifty.

Age is not a time for harsh physical. Youth may occasionally whip the bowels into activity. But a task can't be used every day. What the bowels of the old need is a gentle and natural tonic. One that can be constantly used without harm. The only such tonic is Cascarets, and they cost only 10 cents per box at any drug store. They work while you sleep.—Advt.

IF ALL THE MEN IN AMERICA WERE TO ENLIST

Against waste and extravagance; if this regiment were called to the front and took its place on the firing line; if a hard day's fight exhausted it and night brought rest to the weary troops, and then, at 2 o'clock in the morning, the enemy burst in on them in an overwhelming surprise attack, we have the idea, somehow, men with

SAVINGS ACCOUNTS

would be first to rally.

It gives them what Napoleon termed "two o'clock in the morning courage."

We Pay 4 Per Cent Interest On Savings.

American Trust and Savings Bank

SEBRING MINE IS TO BE OPENED

Force of 75 Men Working Over Placer Ground for Tungsten Ores.

Johnson, Ariz., April 15.—At Sebring camp in Texas canyon, 10 men are taking out high grade tungsten ore from dry placer ground. A mill has been put in operation for the concentration of this ore which is claimed to be as rich in tungsten content as any yet discovered in the state.

Pay Roll \$40,000 a Month.

The Sebring mine has grown from a population of 200 to 1200 and the pay roll of the mine amounts to \$40,000 monthly. The Republic and Arizona Mining Co., the leading copper producers and both are working in good sulphide ore. The Johnson Copper Development company has sunk a shaft 575 feet deep, and is claimed to be now a proven property.

STRIKE MOLYBDENUM ORE IN GIBSON DISTRICT MINE

Globe, Ariz., April 15.—Charles H. Hill and Cobb Bros., owners of a group of mining claims in the Gibson district, report the discovery of a two-foot vein of high grade wolframite (lead molybdenum) on their property, which adds to the Gibson mine. Owing to the large demand for molybdenum ore at this time, the find will be further explored at once.

TUNGSTEN SHIPMENTS ARE BEING MADE FROM TURKEY

Turkey, Ariz., April 15.—Heavy shipments of tungsten ore have begun from several of the mines of this district. Developed originally as a silver district only, the tungsten deposits have been found more valuable than the undoubtedly rich argentiferous ores, which have been uncovered in several properties.

BOHEM REPORTED TO HAVE CLOSED MINE DEALS

Copper Basin, Ariz., April 15.—Herman Boehm, who for more than a quarter of a century has prospected and developed claims in this section, is reported to have closed a deal for the entire property, which he has owned since 1890. This will make the fourth large deal in this field in the past three months.

HOLLAND GETS READY FOR WAR

(Continued From Page 1, This Section).

and making a great circle to the westward and northward to terminate on the Zolder Zee again. Amsterdam is about in the center of this water line.

Ammunitions Factories Busy.

Dutch ammunition factories have been working night and day since the war began and quite a large stock of shells has been piled up. Large quantities have also been bought in Norway, Sweden and the United States.

The Holland war department has concentrated its supplies in four great centers, one for a northern army, one for an eastern army, one for a central army and another for a southern army. Trenches have been dug along the coast front and here the Dutch army is standing off invaders a little while, to give time for the first water line to fill.

Already Martial Law.

A state of partial martial law is already in force. Munition makers cannot leave the country. Committees have been formed to provide work and assistance for families of mobilized men. The use of wireless by individuals and on private ships has been forbidden.

Undoubtedly the thorough preparation of the Dutch is the only thing which has kept them from falling into the war cauldron long ago.

The young men due to join the colors for military service this fall have already been called out and are reinforced by the landwehr (equivalent to the German landwehr).

Size of Army Really a Secret.

While the Dutch army is generally put at 400,000 men today, no one knows the exact figures except the higher officers of the Dutch general staff. The active or field army comprises 150,000 men. To this must be added the forces attached to the fortresses, artillery, about 25,000 strong, and the landwehr. The latter consists of trained men. A Dutch citizen is enrolled with the landwehr for eight years and after that with the landwehr for seven years. It is believed the landwehr now comprises about 80,000 men. There are also 5000 military engineers who are expert in the care and construction of water defenses.

It is therefore seen that the army of Holland might be as small as 260,000 men. But special methods are being taken to swell the ranks. The government can call up all men of military age who have not been enrolled and while it has not yet given full force to this provision it may have augmented its forces largely by semi-voluntary enlistments.

Says European Armies Use 600,000 Miles of Barbed Wire Defences

Berlin, Germany, April 15.—A German military expert calculates that 600,000 miles of barbed wire have been used by the fighting armies in the construction of entanglements on their different fronts in Europe.

The combined length of the French is nearly 1500 miles, but this figure has to be doubled, because a wire entanglement is always faced by one on the side of the enemy. For every mile of entanglements about 150 miles of wire are necessary. The barbed wire used so far would reach around the earth 24 times.

When he was governor of New Jersey president Wilson always rode a bicycle.

WOMEN FORM MINE COMPANY

New Murdock Extension Mining Company Wholly a Woman's Company.

Phoenix, Ariz., April 15.—A unique mining corporation filed its articles of incorporation today with the state corporation commission and was granted the necessary permit to sell its stock. The company is known as the Murdock Extension Mining company and the incorporators are all women.

The claims which the company propose to develop are in Mohave county, and were located some years since by W. J. Saunders, who is now superintendent of the Guinevere mines in Mexico. Jennie Maxwell, a newspaper woman from the coast, and Anna Stevens, a school teacher, made the hazardous trip into Mexico and secured an option on 100 acres of claims from Saunders for a consideration of \$2000. On their return they raised the necessary money, took a deed from the owner and organized the present company.

Miss Kate Christy of Phoenix, has been made treasurer and it is the intention to have none but woman stockholders and officers. It is not stated that the women incorporators will do overalls and hand and wield picks with their own hands.

Germany's Decreasing Birth Rate Is Causing Alarm Among the People

Berlin, Germany, April 15.—German thrift and energy may win back the billions of marks lost in the war, but a danger is gnawing at the very heart of the German people for the birth rate is dwindling, and German professors and social economists have argued for years, referring to France, that a declining birth rate is the infallible sign of the decadence of a people.

So far the number of births in Germany is higher than the number of deaths, but for years the surplus has been steadily decreasing. The danger is approaching, unless something extraordinary happens, the moment will come when the population of Germany will cease to grow, while the mighty Russian empire in the east adds to his millions of population with increasing speed.

Now, during the war, when more than a million of German young men, prospective fathers, have lost their lives on the chancelleries of the battlefields, the problem of how to stop the declining birth rate looms up larger than ever. You hear it discussed everywhere. Aside from the war, Germany would have had 500,000 more birth annually if the birth rate had not declined since 1900. And it is estimated as it was then Germany today would have had nearly three million more inhabitants than she actually has.

The good old fashioned flavor—"Traditional Different"—Sausages, Macaroni, Ham and Bacon. Phone your Dealer.—Advt.

United States Senator Lane, of Oregon, was a doctor before he went into politics.

—Advt.

El Paso Seed Co. Open Evenings—

519 San Antonio. Opp. Court House.—Advt.

Eat at Pickwick Cafe, 465 N. Oregon.—Advt.

ON TRAIL OF BANDIT PANCHITO

—Advt.

RUSS SOLDIERS LADEN WITH PACKS

—Advt.

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JEOPARDIZERS BUY MINE STOCK

Show Faith in District By Investing in Shares of Local Companies.

By WILLIAM F. DE WOLF.

Prescott, Ariz., April 15.—Jerome, the center of copper mining activity in the Verde valley, now one of the busiest camps in the United States.

Copper mining at Jerome, as typical of the Verde valley, is now in a boom. Investment in copper shares among the people of Jerome is confined for the most part to those of the Verde district, of which Jerome is a part. This fact in itself speaks eloquently in behalf of the copper issues of the Verde district.

The miners of Jerome, like the miners of Outman, are demonstrating their faith in their camp with their dollars. The analogy may be carried further, for the miners of Jerome, like the miners of Outman, are to the good financially by reason of their investments in local mining issues.

Bank With Outman Mined.

From a profit-making standpoint the shares of the Verde Valley, (United Verde Extension), Jerome Verde and Green Mountain Mining companies of the Verde district, rank favorably with the shares of the Tom Reed, United Eastern and Big Jim companies of the Outman district. Investments in the shares of the Verde district mentioned have been as remunerative to the miners of Jerome as has investment in the shares of the Outman district.

There are a score or more men in the Verde district who are financially better off than the miners of Outman.

Mining Activity Pronounced.

Mining activity is on the increase throughout the Verde district. Particularly in this condition noticeable on properties adjoining, or adjacent to the Verde district, is the Verde Verde Extension, for instance, is rapidly being developed into a real estate of its famous neighbor. The property is one of a number of valuable copper propositions in Arizona controlled by James Douglas and associates. Other properties in the vicinity of the Verde district, that are undergoing development, are: Jerome Verde, Pittsburg Jerome, Arkansas Arizona, North Verde, Verde King and Boston & Jerome.

Campaign of Development.

A campaign of aggressive development is being formulated for the property last mentioned and will be well under way within two weeks. The plans include the building of Boston & Jerome, and the Boston New York curb. Local demand for Boston & Jerome shares has increased with the knowledge that mining operations were soon to be resumed, and it is believed the stock will prove an active and attractive trader at increasing prices once it is listed.

The company owns 11 claims in a compact group, adjoining holdings of the United Verde company on the south, and the acreage carries a very promising copper showing.

El Paso Seed Co. Open Evenings—

519 San Antonio. Opp. Court House.—Advt.

Eat at Pickwick Cafe, 465 N. Oregon.—Advt.

King George Again Is Busiest Man in England

London, Eng., April 15.—King George is now in full harness again, and is about the busiest man in the country. Dispatch boxes have never been so numerous and pressing, and the royal secretaries have been working at high pressure. In addition, there is the constant necessity for audiences of ministers and department chiefs.

Again, King George likes, whenever possible, to invest personally those who have won distinction, and two mornings a week have to be set aside for this duty, and even meal times are used for conversing with people who have fresh and interesting news.

Three Big Reduction Plants Busy; Mining Deals Are Being Closed.

Crown King, Ariz., April 15.—Within a radius of four miles of Crown King, three large reduction plants are now in action and another is preparing to treat the mine and dump product of old property. Two large mine deals are reported as about to be closed and it is said that active work will be begun on both properties before May 1. For the first time in more than 20 years the Bradshaw district is showing signs of the life that once made it the busiest region of Arizona.

Working Three Shifts.

The new Saratoga mill has started a three-shift run on a basis of 100 tons per day, and is preparing to add a flotation plant.

The Randolph-Gemmill Reduction company is treating more than 100 tons per day of the old Crown King dump and is making plans for a 250-ton per day plant. The Nelson mine is expected to contribute 100 tons daily and the War Eagle-Gladstone is ready to make up the remainder of the mill's requirement.

British Society Girls Grow Weary of Washing Dishes for Hospitals

London, Eng., April 15.—Nursing and dishwashing in hospitals or canteens are occupations rather out of favor with London society girls now. It is said that many of the girls who were once so busy washing dishes for the hospitals are now turning to other occupations.

MIAMI MEN FORM NEW ZINC AND LEAD COMPANY

Miami, Ariz., April 15.—A new mining company has been formed here to work a deposit of lead, zinc and silver ore discovered in the Little Frank claim 15 miles east of Globe. Several thousand dollars worth of development work has been done on the property this winter, including a 400-foot tunnel and several test shafts. The first car will be shipped this week.

The company will be known as the Arizona Zinc and Lead company. Frank Cassaway is president; H. H. Emery, vice president, and Fay Hilt, secretary-treasurer. All are Miami men.

MAY MINE GROUP NEAR MAYER TO BE DEVELOPED

Mayer, Ariz., April 15.—A deal is reported by which an operating syndicate has taken over the May group of mines. These are well developed copper properties three miles south of here and it is said that the new concern will continue the work planned by the May company, and which that concern was about to begin when the present deal was made.

The May locations are on the same mineral zone as the Blue Bell and the results achieved by that company from their recent deep development have encouraged all operators on the same formation.

TEN STAMP MILL WILL BE BUILT AT WAKOTA

Congress, Ariz., April 15.—General manager Schmidt of the Wakota Mines company, is preparing to install a ten stamp mill on the property, which is claimed to have 50,000 tons of good milling ore already exposed. The Wakota was formerly known as the Coronado and is less than two miles distant from Congress mine. The property was revived a few months ago and the exploration made to date has proved highly satisfactory.

GIRLS! ACT NOW! HAIR COMING OUT MEANS DANDRUFF

25-cent "Danderine" will save your hair and double its beauty.

Try this! Your hair gets soft, wavy, abundant and glossy at once.

Save your hair! Beautify it! It is only a matter of using a little Danderine occasionally to have a head of heavy, beautiful hair; soft, lustrous, wavy and free from dandruff. It is easy and inexpensive to have pretty, charming hair by that company. Just get a 25-cent bottle of Knowlton's Danderine now—all drug stores recommend it—apply a little as directed and within ten minutes there will be an appearance of abundance; freshness, fluffiness and an incomparable gloss and lustre and try as you will you can not find a trace of dandruff or falling hair; but your real surprise will be after about two weeks' use, when you will see new hair fine and downy at first—yes—but really new hair—sprouting out all over your scalp—Danderine is, we believe, the sure hair grower; destroyer of dandruff and cure for itchy scalp and it never fails to stop falling hair at once.

If you want to have pretty and soft your hair really is, maintain a cloth with a little Danderine and carefully draw it through your hair—taking one small strand at a time. Your hair will be soft, glossy and beautiful in just a few moments—a delightful surprise awaits everyone who tries this.—Advt.

BANKING BY MAIL 4% COMPOUND INTEREST

A request for our new free booklet, "Banking by Mail" carries with it no obligation to open an account. All we ask is an opportunity to explain clearly why your savings should earn 4 percent and why your money will be absolutely safe if sent by mail to this institution. You may have occasion to thank us for this suggestion.

Write to-day, and ask for our New Booklet.

El Paso Bank and Trust Company
a Guaranty Fund Bank
El Paso, Tex.

CROWN KING HAS BOOM IN MINING

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